

APR 18 2002

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FORM PTO-1472 <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use several sheets if necessary)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		Docket No.: <b>156857/0036</b>	Application No.: <b>09/976,596</b>
	Applicant: <b>Richard Boyd</b>			
	Filing Date: <b>10/12/01</b>		Group: ----	


## U.S. PATENT DOCUMENTS

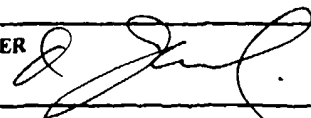
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## FOREIGN PATENT DOCUMENTS

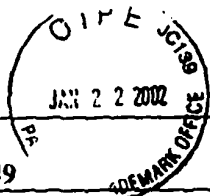
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	"The Castration Cure," <u>BBC NEWS</u> , BBC Online Network, pub. 12/16/98
	"Eunuchs Fight Back," <u>New Scientist Archive</u> , Vol. 160, 12/19/98, p. 11

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<b>FORM PTO-1449</b>	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Docket No.: <b>156857/0036</b>	Application No.: <b>09/976,596</b>
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U.S. PATENT DOCUMENTS							
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	3,972,859	08/03/76	Fujino et al.	C07C	103/52		
	3,992,365	11/16/76	Beddell, et al	C07C	103/52		
	4,003,884	01/18/77	König et al.	C07C	103/52		
	4,005,063	01/25/77	Gendrich et al.	C07C	103/52		
	4,008,209	02/15/77	Fujino et al.	C07C	103/52		
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	4,010,149	03/01/77	Baba et al.	C07C	103/52		
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	4,100,274	07/11/78	Dutta et al.	A61K	37/00		
	4,118,483	10/03/78	König et al.	A61K	37/00		
	4,128,638	12/05/78	Moody	A61K	37/02		
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	4,275,001	06/23/81	König et al.	C07C	103/52		
	4,490,291	12/25/84	Fujino	C07C	103/52		
	4,608,251	08/26/86	Mia	A61K	39/395		
	4,642,332	02/10/87	Folkers et al.	C07K	7/20		
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	4,775,361	10/04/88	Jacques et al.	A61M	37/00		
	4,866,160	09/12/89	Coy et al	C07C	103/52		
	4,992,421	02/12/91	De et al.	A61K	37/02		
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PATENT & TRADEMARK OFFICE

<b>FORM PTO-1449</b>		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		Docket No.: <b>156857/0036</b>	Application No.: <b>09/976,596</b>	
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<input checked="" type="checkbox"/>	5,399,346	03/21/95	Anderson et al.	A61K	48/00	
<input checked="" type="checkbox"/>	5,506,207	04/09/96	Rivier et al.	A61K	38/04	
<input checked="" type="checkbox"/>	5,614,502	03/25/97	Flotte et al.	A61K	31/70	
<input checked="" type="checkbox"/>	5,643,252	07/01/97	Waner et al.	A61B	17/36	
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<input checked="" type="checkbox"/>	5,843,446	12/01/98	Ladd et al.	A61K	39/00	
<input checked="" type="checkbox"/>	5,839,446	11/24/98	Waner et al.	A61B	17/36	
<input checked="" type="checkbox"/>	6,056,738	05/02/00	Marchitto et al.	A61N	5/00	

FOREIGN PATENT DOCUMENTS							
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<input checked="" type="checkbox"/>	DE2509783	09/11/75	Germany	C07C	103/52		X
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<input checked="" type="checkbox"/>	WO93/15722	08/19/93	PCT	A61K	9/16	X	
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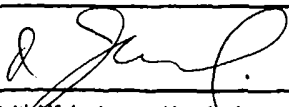
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
<input checked="" type="checkbox"/>	Aspinall, "Age-associated thymic atrophy in the mouse is due to a deficiency affecting rearrangement of the TCR during intrathymic T cell development," J. Immunology, 1997, 158:3037

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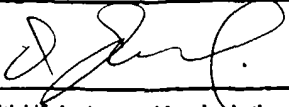
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		Bahnon, et al, "Method for Retrovirus-Mediated Gene Transfer to CD34 <sup>+</sup> -Enriched Cells," <u>Gene Therapy Protocols</u> , 1997, pp. 249-263		
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		Douek, et al, "Changes in thymic function with age and during the treatment of HIV infection," <u>Nature</u> , 1998, 396:690		
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		Fabbro, et al, "Physical study of laser-produced plasma in confined geometry," <u>J. Appl. Phys.</u> , 1990, 68:775		
		Fredrickson, et al, "Early thymic regeneration after irradiation," <u>Development and Comparative Immunology</u> , 1994, 18:251		
		George, et al, "Thymic involution with ageing: obsolescence or good housekeeping?" <u>Immunol. Today</u> , 1996, 17:267		
		Godfrey, et al, "The phenotypic heterogeneity of mouse thymic stromal cells," <u>Immunol.</u> , 1990, 70:66		
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		Graham, et al, "A New Technique for the Assay of Infectivity of Human Adenovirus 5 DNA," <u>Virology</u> , 1973, 52:456-457		
		"Health Headlines: HIV may hide out in crawling immune cells," <u>Yahoo! News</u> , 1/2/ (Tuesday, 6:05 PM ET)		
		Hirokawa, "Thymic involution: the effect on T cell differentiation," <u>J. Immunol.</u> , 1975, 114:1659		

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<input checked="" type="checkbox"/>		Hirokawa, et al, "Understanding the mechanism of the age-change of thymic function to promote T cell differentiation," <u>Immunology Letters</u> , 1994, 40:269			
<input checked="" type="checkbox"/>		Hirokawa, "Immunity and Ageing," <u>Principles and Practice of Geriatric Medicine</u> , 1998			
<input checked="" type="checkbox"/>		Hobbs, et al, "Patterns of cytokine gene expression by CD <sub>4</sub> <sup>+</sup> T cells from young and old mice," <u>J. Immunol.</u> , 1993, 150:3602			
<input checked="" type="checkbox"/>		Homo-Delarche, et al, "The neuroendocrine-immune axis," <u>Seminars in Immunopathology</u> , 1991			
<input checked="" type="checkbox"/>		Huiskamp, et al, "Short- and long-term effects of whole body irradiation with fission neutrons or x-rays on the thymus in CBA mice," <u>Radiation Research</u> , 1983, 95:370			
<input checked="" type="checkbox"/>		Igarashi et al, "Macrophage are the principal reservoir and sustain high virus loads in rhesus macaques after the depletion of CD <sub>4</sub> <sup>+</sup> T cells by a highly pathogenic simian immunodeficiency virus/HIV type 1 chimera (SHIV): Implications for HIV-1 infections of humans," <u>PNAS Early Edition</u> , 11/2000, pp 1-6			
<input checked="" type="checkbox"/>		Kendall, "Anatomical and physiological factors influencing the thymic microenvironment," <u>Thymus Update I</u> , Vol. 1, 1998, p. 27			
<input checked="" type="checkbox"/>		Kohn, et al, "A Clinical Trial of Retroviral-Mediated Transfer of a rev-Responsive Element Decoy Gene Into CD34 <sup>+</sup> Cells From the Bone Marrow of Human Immunodeficiency Virus-1—Infected Children," <u>Blood</u> , Vol. 94, No. 1, 7/1/1999, pp. 368-371			
<input checked="" type="checkbox"/>		Kurashima, et al, "The role of thymus in the aging of Th cell subpopulations and age-associated alteration of cytokine production by these cells," <u>Int. Immunol.</u> , 1995, 7:97			
<input checked="" type="checkbox"/>		Mackall, et al, "Age, thymopoiesis and CD <sub>4</sub> <sup>+</sup> T-lymphocyte regeneration after intensive chemotherapy," <u>New England J. Med.</u> , 1995, 332:143			
<input checked="" type="checkbox"/>		Mackall, et al, "Thymic aging and T-cell regeneration," <u>Immunol. Rev.</u> , 1997, 160:91			
<input checked="" type="checkbox"/>		Nabel, et al, "Gene transfer in vivo with DNA-liposome complexes; lack of autoimmunity and gonadal localization," <u>Hum Gene Ther</u> , 12/1992, pp. 649-656			
<input checked="" type="checkbox"/>		Panoskaltsis, et al, "Human Immunodeficiency Virus and the Hematopoietic Repertoire: Implications for Gene Therapy," <u>Frontiers in Bioscience</u> , 5/1999			
<input checked="" type="checkbox"/>		Penit, et al, "Cell proliferation and thymocyte subset reconstitution in sublethally irradiated mice: compared kinetics of endogenous and intrathymically transferred progenitors," <u>Proc. Natl. Acad. Sci. U.S.A.</u> , 1989, 86:5547			
<input checked="" type="checkbox"/>		Penit, et al, "Thymic medulla epithelial cells acquire specific markers by post-mitotic maturation," <u>Dev. Immunol.</u> , 1996, 5:25			
<input checked="" type="checkbox"/>		Plosker, et al, "Leuporelin. A review of its pharmacology and therapeutic use in prostatic cancer, endometriosis and other sex hormone-related disorders," <u>Drugs</u> , 1994, 48:930			
<input checked="" type="checkbox"/>		Potter et al, "Enhancer-dependent expression of Human Kappa Immunoglobulin Genes Introduced Into Mouse pre-B Lymphocytes by Electroporation," <u>Proc. Natl. Acad. Sci. USA</u> , 1984, 81:7161-7165			
<input checked="" type="checkbox"/>		Randle-Barrett, et al, "Thymic microenvironment and lymphoid responses to sublethal irradiation," <u>Dev. Immunol.</u> , 1994, 4:1			
<input checked="" type="checkbox"/>		Scollay, et al, "Thymus cell migration. Quantitative aspects of cellular traffic from the thymus to the periphery in mice," <u>Eur. J. Immunol.</u> , 1980, 10:210			
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		Starzl, et al, "Cell migration, chimerism, and graft acceptance," <u>Lancet</u> , 1992, 339:1579		
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		Suda, et al, "IL-7 maintains the T cell precursor potential of CD <sub>3</sub> -CD <sub>4</sub> -CD8-thymocytes," <u>J. Immunol.</u> , 1991, 146-3068		
		Timm, et al, "Maturation of CD <sub>4</sub> <sup>+</sup> lymphocytes in the aged microenvironment results in a memory-enriched population," <u>J. Immunol.</u> , 1999, 162:711.		
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		van Ewijk, et al, "Distribution of H2 microenvironments in the mouse thymus," <u>J. Histochem Cytochem</u> , 1980, 28:1089		
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